EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1719	("430/270.13" or 369/94 or 428/64.9 or 428/64.5 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:17
S2	655185	(optical or laser or information) near5 (card or disc or disk or media or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S3	1627	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S4	57082	phase adj change	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S5	817	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:32
S6	8641853	In or Indium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:33
S7	814	S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:34
S8	244500	(dual or multi or multiple) near3 layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:34
S9	264228	(dual or multi or multiple) near3 (film or layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:34

EAST Search History

S10	314	S7 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:35
S11	327	S9 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:40
S12	927686	Ge or germanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:40
S13	149098	Te or tellurium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 14:41
S14	185	S11 and S12 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:21
S15	0	gesbtein	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:21
S16	0	GeSbTeIn	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:21
S17	146	Ge adj Sb adj Te adj In	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:43
S18	180	(Ge adj Sb adj Te adj In)or (In adj Ge adj Sb adj Te) or (Te adj In adj Ge adj Sb) or (Sb adj Te adj In adj Ge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:45
S19	170	S18 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 15:45

EAST Search History

S20	165	S19 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:48
S21	8844	(369/283 or 369/286 or 369/275.5 or 428/64.4 or 428/64.6 or 428/64.9 or 428/65.2 or 430/945).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:52
S22	7313	(pit or "pre pit") with (deep or depth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:52
S23	4829	(pit or "pre pit") with (width or wide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:53
S24	1230	S22 same S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 09:53
S25	81	S24 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:10
S26	111	S24 same("200" or "250" or ".25" or ".2" or "2500" or "2000")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:12
S27	14	S26 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:17
S28	0	S25 and ("read only or ROM")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 10:18
S29	43	S25 and (reflective or "semi reflective")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:25

EAST Search History

S30	5311	(430/270.13 or 369/94 or 428/64.9 or 428/64.5 or 430/270.11 or 430/945 or 369/275.5 or 369/275.2).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:28
S31	27310	(In or indium) near10 (Ge or Germanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:29
S32	6892	S31 near10 (antimony or Sb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:42
S33	149101	S32 near "10" (Te or Tellurium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:30
S34	1594	S33 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:31
S35	779	S34 and ("phase change")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:31
S36	554	S35 and (Ag or silver)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:33
S37	29168758	@py<"2004"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:34
S38	334	S36 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:34
S39	18794	S31 and (phase change)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:42

EAST Search History

S40	4493	S39 and silver	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:43
S41	2477	S40 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 14:43
S42	122	S41 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 16:57
S43	0	GeTeSbIn	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 15:08
S44	6	((Ge adj Te) adj (Sb)) adj (In)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 15:08
S45	753267	(Al or Aluminum) same ("10" or "100" or ".01")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 16:59
S46	56	S42 and S45	USPAT	OR	OFF	2006/11/08 16:59
S47	405477	(Al or Aluminum) with ("10" or "100" or ".01")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:01
S48	38	S47 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:00
S49	70821	(Ag or silver) with ("10" or "100" or ".01")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:01

EAST Search History

S50	32	S49 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/08 17:01
S51	1	"1172811"	EPO	OR	OFF	2006/11/09 11:30
S52	1	"1229530"	EPO	OR	OFF	2006/11/09 11:52
S53	1	"20010036528"	US-PGPUB; USPAT	OR	OFF	2006/11/09 13:46
S54	1	"20020146643"	US-PGPUB; USPAT	OR	OFF	2006/11/09 13:46
S55	1720	("430/270.13" or 369/94 or 428/64.9 or 428/64.5 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:19
S56	2876	In near (".%." or percent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:19
S57	81412	(In or indium) near10 (".%." or percent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:20
S58	66	S57 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:35
S59	2050	(Ge or Germanium) near10 (".%." or percent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:36
S60	612	S59 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:36
S61	11	S60 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:41

EAST Search History

S62	288	S59 near5 ("60" or "61" or "62" or "63" or "64" or "65" or "66" or "67" or "68" or "69")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 15:47
S63	283	S59 near3 ("60" or "61" or "62" or "63" or "64" or "65" or "66" or "67" or "68" or "69")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 15:47
S64	2	S63 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 16:19
S65	99	(In or indium) near12 (percent or ". %.")	JPO	OR	ON	2006/11/09 16:19
S66	3	S65 and (Ge or germanium)	JPO	OR	ON	2006/11/09 16:21
S67	80973	In same (composition$3 or formula)	JPO	OR	ON	2006/11/09 16:21
S68	81505	(In or indium) same (composition$3 or formula)	JPO	OR	ON	2006/11/09 16:21
S69	1032	S68 and (Ge or germanium)	JPO	OR	ON	2006/11/09 16:22
S70	574	S69 and (sb or antimony)	JPO	OR	ON	2006/11/09 16:22
S71	145	S70 and (Te or tellurium)	JPO	OR	ON	2006/11/09 16:22
S72	66	S71 and optical	JPO	OR	ON	2006/11/09 17:00
S73	358	shingai	US-PGPUB; USPAT; JPO	OR	ON	2006/11/09 17:01
S74	7	"669" and S73	US-PGPUB; USPAT; JPO	OR	ON	2006/11/09 17:01
S75	6053	(368/283 or 369/286 or 369/275.5 or 428/64.4 or 428/64.6 or 428/64.9 or 428/65.2 or 430/945 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/13 14:13
S76	1254724	"phase change" near "5" recording	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/13 14:14
S77	7308	"phase change" near5 recording	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/13 14:14

EAST Search History

S78	959	S77 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/13 14:14
S79	7188498	S76 or second or 2nd or S77 or third or 3rd or S78 or fourth or 4th	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/13 14:17
S80	6053	(368/283 or 369/286 or 369/275.5 or 428/64.4 or 428/64.6" or 428/64.9 or 428/65.2 or 430/945 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:31
S81	0	"20010036528"	USPAT	OR	ON	2006/11/13 14:35
S82	1	"20010036528"	US-PGPUB; USPAT	OR	ON	2006/11/13 14:35
S83	6055	(368/283 or 369/286 or 369/275.5 or 428/64.4 or 428/64.6" or 428/64.9 or 428/65.2 or 430/945 or 430/270.11).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:31
S84	5495	("2" or 2nd or "3" or 3rd or "4" or 4th or fourth or third or second or many or multiple or dual) and S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:33
S85	1664812	("2" or 2nd or "3" or 3rd or "4" or 4th or fourth or third or second or many or multiple or dual) near5 (' film or layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:33
S86	4437	S85 and S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:34
S87	1201	S86 and "phase change"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:34
S88	735	S87 and (ge or germanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 11:50

EAST Search History

S89	3	"20040191683"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 11:51

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	jp-11126366-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:22
L2	2	jp-2002211137-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:27
L3	2721	(te or tellurium) adj2 ("3" or "52" or "53" or "0.5"$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:37
L4	4826	(ge or germanium) adj2 (x or y or z or "30" or "31" or "32" or "33" or "34" or "35" or "36" or "37" or "38" or "0. 3"$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:32
L5	14	l3 same l4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:37
L6	3672	(te or tellurium) adj2 ("3" or "52" or "53" or "50" or "51" or "54" or "55" or "56" or "57" or "0.5"$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:38
L7	6845	(te or tellurium) adj4 ("3" or "52" or "53" or "50" or "51" or "54" or "55" or "56" or "57" or "0.5"$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:39
L8	8620	(te or tellurium) near8 (ge or germanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:39
L9	501	l7 and l8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:39

EAST Search History

L10	13606	(te or tellurium) near8 ("In" or indium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:56
L11	2916	l8 with l10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:40
L12	248	l7 and l11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:40
L13	2157	l11 with (sb or antimony)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:41
L14	170	l13 and l7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:41
L15	317446	((optical or laser or information) near5 (medium or media or disk or disc)).ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:42
L16	108	l14 and l15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:44
L17	76	l16 and @ad<"20030219"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:55
L18	12	(l10 and l8) and nec.asn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:49
L19	2	jp-2002240432-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:56

EAST Search History

L20	264	(te or tellurium) near5 (rich)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:57
L21	15	l15 and l20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 13:57

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 NEWS  9  SEP 25  CAS REGISTRY(SM) no longer includes Concord 3D coordinates
 NEWS 10  SEP 25  CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
 NEWS 11  SEP 28  CEABA-VTB classification code fields reloaded with new
                  classification scheme
 NEWS 12  OCT 19  LOGOFF HOLD duration extended to 120 minutes
 NEWS 13  OCT 19  E-mail format enhanced
 NEWS 14  OCT 23  Option to turn off MARPAT highlighting enhancements available
 NEWS 15  OCT 23  CAS Registry Number crossover limit increased to 300,000 in
                  multiple databases
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                  has been enhanced and reloaded
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         41483 52-53/MAC
L1         520 TE 52-53/MAC
               (TE/MAC (P) 52-53/MAC)

=> s ge 30-38/mac
         15760 GE/MAC
        121521 30-38/MAC
L2        1652 GE 30-38/MAC
               (GE/MAC (P) 30-38/MAC)

=> s l1 and l2
L3          49 L1 AND L2

=> s in/mac
L4       18803 IN/MAC

=> s sb/mac
L5       19201 SB/MAC

=> s l2 and (l3 or l4)
L6          73 L2 AND (L3 OR L4)

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=> s l7
L8 3 L7

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L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:648997 CAPLUS <<LOGINID::20061114>>
DN 131:279349
ED Entered STN: 12 Oct 1999
TI Manufacture of sputtering target for phase change-type optical recording disk
IN Kishi, Toshihito; Ito, Hiroyuki
PA Sumitomo Metal Mining Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C23C014-34
ICS B22F003-105; B22F005-00; C22C028-00; G11B007-26
CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 56
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 11279752	A2	19991012	JP 1998-80044	19980327
PRAI JP 1998-80044		19980327		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 11279752	ICM	C23C014-34
	ICS	B22F003-105; B22F005-00; C22C028-00; G11B007-26
	IPCI	C23C0014-34 [ICM,6]; B22F0003-105 [ICS,6]; B22F0005-00 [ICS,6]; C22C0028-00 [ICS,6]; G11B0007-26 [ICS,6]
	IPCR	B22F0003-105 [I,A]; B22F0003-105 [I,C*]; B22F0005-00 [I,A]; B22F0005-00 [I,C*]; C22C0028-00 [I,A]; C22C0028-00 [I,C*]; C23C0014-34 [I,A]; C23C0014-34 [I,C*]; G11B0007-26 [I,A]; G11B0007-26 [I,C*]

AB In manuf. of the sputtering targets composed of 3-50 at.% of Ge, Ag, and/or In, 10-50 at.% of Sb, .ltoreq.5 at.% of additives if necessary, and balance Te; the alloy powder is discharge plasma sintered by heating to a prescribed temp. within 30 min and by retaining at a prescribed temp. within 30 min. Preferably, the alloy powder is formed by atomizing and quenching of alloy melt. The time required for elevation of the temp. for the sintering can be shortened by carrying the discharge plasma sintering.
ST optical recording disk sputtering target alloy; antimony alloy sputtering target optical disk; plasma sintering sputtering target optical disk; phase change optical disk sputtering target; germanium alloy sputtering target optical disk; silver alloy sputtering target optical disk; indium alloy sputtering target optical disk; tellurium alloy sputtering target optical disk
IT Optical disks
Sputtering targets

(manuf. of Sb-Te alloy sputtering target for phase change optical recording disk by discharge plasma sintering)
IT Sintering
(plasma, alloy; manuf. of Sb-Te alloy sputtering target for phase change optical recording disk by discharge plasma sintering)
IT 130119-28-7, Antimony 22, germanium 22, tellurium 56 (atomic)
245671-98-1 , Antimony 10-50, germanium 0-50, indium 0-50, silver 0-50, tellurium 0-87 (atomic)
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(sputtering target; manuf. of Sb-Te alloy sputtering target for phase change optical recording disk by discharge plasma sintering)

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:149108 CAPLUS <<LOGINID::20061114>>
DN 112:149108
ED Entered STN: 13 Apr 1990
TI Laser recording medium containing antimony-germanium-indium-tellurium alloy
IN Seo, Hisaya; Nakanishi, Toshiharu; Ohayashi, Gentaro
PA Toray Industries, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM B41M005-26
ICS G11B007-24
CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01180387	A2	19890718	JP 1988-5590	19880112
PRAI JP 1988-5590		19880112		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 01180387	ICM	B41M005-26
	ICS	G11B007-24
	IPCI	B41M0005-26 [ICM,4]; G11B0007-24 [ICS,4]

AB In the title medium in which information is recorded by irradn. with an energy beam on a recording film formed on a substrate to change the optical characteristics of the irradiated area by the heat generated directly or indirectly, the recording film is based on Te, Ge, In, and Sb and has a compn. (Te100-yGey)100-x(InzSb100-z)z (x = at. % of In and Sb in the film; y = at. % of Ge in Ge and Te; z = at. % of In in In and Sb; 2 .ltoreq. x .ltoreq. 30; 40 .ltoreq. y .ltoreq. 60; 5 .ltoreq. z .ltoreq. 60).
ST laser recording medium antimony alloy; germanium alloy laser recording medium; indium alloy laser recording medium; tellurium alloy laser recording medium
IT Metallic glasses
RL: USES (Uses)
(antimony-germanium-indium-tellurium, for laser recording materials)
IT Recording materials
(optical, from antimony-germanium-indium-tellurium alloys)
IT ***125944-47-0*** 125944-48-1 125944-49-2 125944-50-5
RL: TEM (Technical or engineered material use); USES (Uses)
(laser recording materials contg.)

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1981:557695 CAPLUS <<LOGINID::20061114>>
DN 95:157695
ED Entered STN: 12 May 1984
TI Enthalpies of mixing in the germanium-indium-tellurium system
AU Al'fer, S. A.; Vecher, A. A.; Egorov, O. A.; Mechkovskii, L. A.
CS Beloruss. Gos. Univ., Minsk, USSR
SO Zhurnal Fizicheskoi Khimii (1981), 55(6), 1613-14
CODEN: ZFKHA9; ISSN: 0044-4537
DT Journal
LA Russian
CC 69-1 (Thermodynamics, Thermochemistry, and Thermal Properties)

Section cross-reference(s): 56

AB The heats of mixing of the ternary system Ge-In-Te and quasibinary system GeTe-In2Te3 were measured calorimetrically at 1250 K.

ST heat mixing germanium indium tellurium; telluride germanium indium heat mixing; alloying heat germanium indium tellurium

IT Heat of mixing
(in germanium-indium-tellurium system)

IT Heat of alloying
(of germanium, indium, and tellurium)

IT 1312-45-4
RL: PRP (Properties)
(heat of mixing of, with germanium telluride)

IT 12025-39-7
RL: PRP (Properties)
(heat of mixing of, with indium telluride)

IT ***79330-38-4***
RL: PRP (Properties); FORM (Formation, nonpreparative)
(heats of formation of)

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.67	29.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

STN INTERNATIONAL LOGOFF AT 14:16:03 ON 14 NOV 2006